Douglas Richard
Customer No. 38019
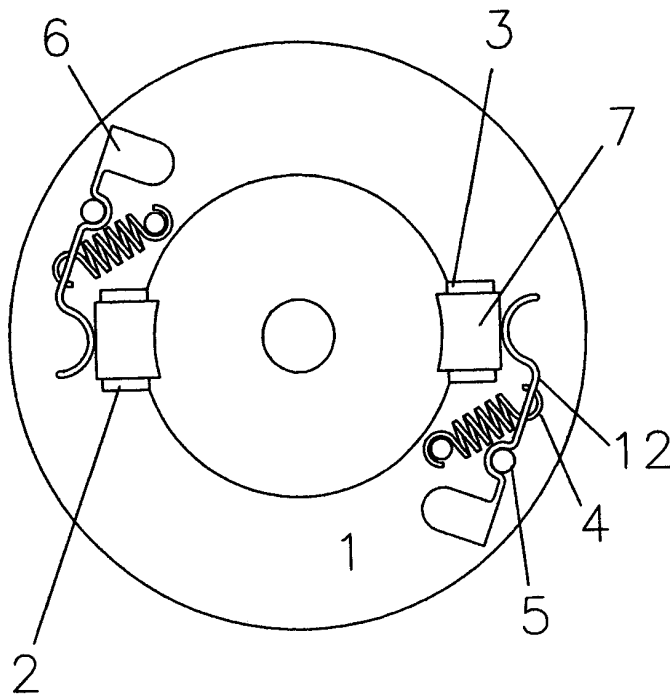Stationary Armature Machine
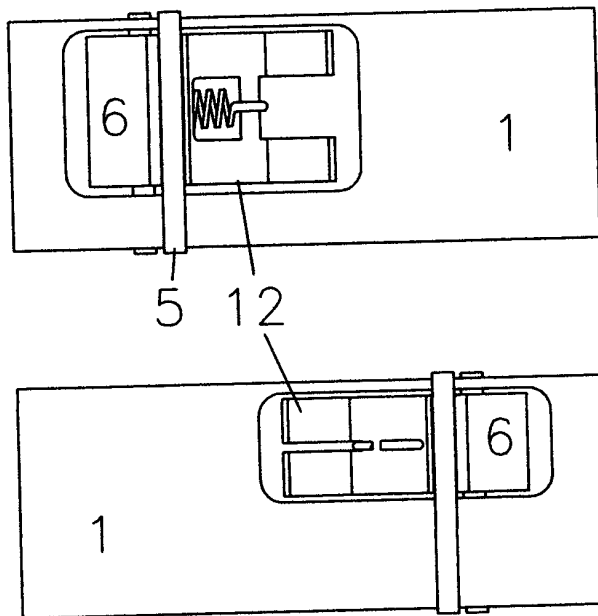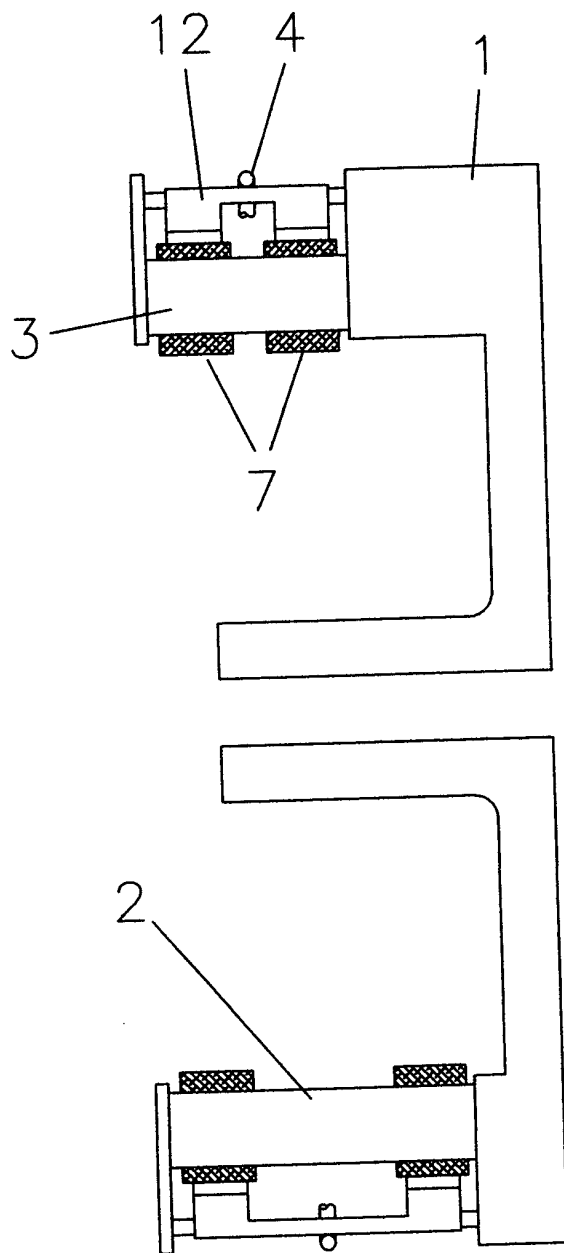
Fig 1

Fig 1A

Fig 1B

Douglas Richard
Customer No. 38019

Stationary Armature Machine

Fig 1C

Douglas Richard
Customer No. 38019
Stationary Armature Machine

14

Fig 2

2

8

13

1

9

14

12

7 2 11

10 3

Fig 2A

Douglas Richard
Customer No. 38019

Stationary Armature Machine

Fig 3

Stationary Armature Machine

Fig 4

18

17

16

20

14

15

8

15

21   22

Fig 4a

17

20

16

18

Stationary Armature Machine

Fig 5

Douglas Richard
Customer No. 38019

Stationary Armature Machine

Fig 6

9

7

1

Armature Lead
Orifice

8

Fig 6A

9   7   3   9

10   1   11

15

Douglas Richard
Customer No. 38019

Stationary Armature Machine
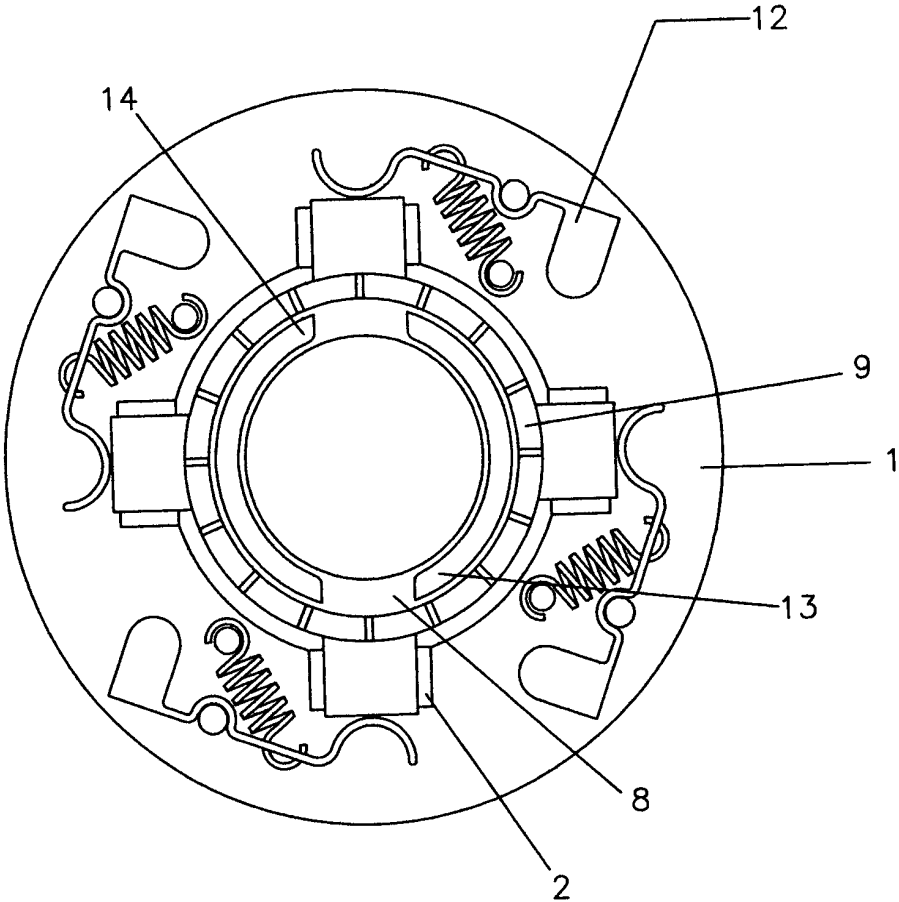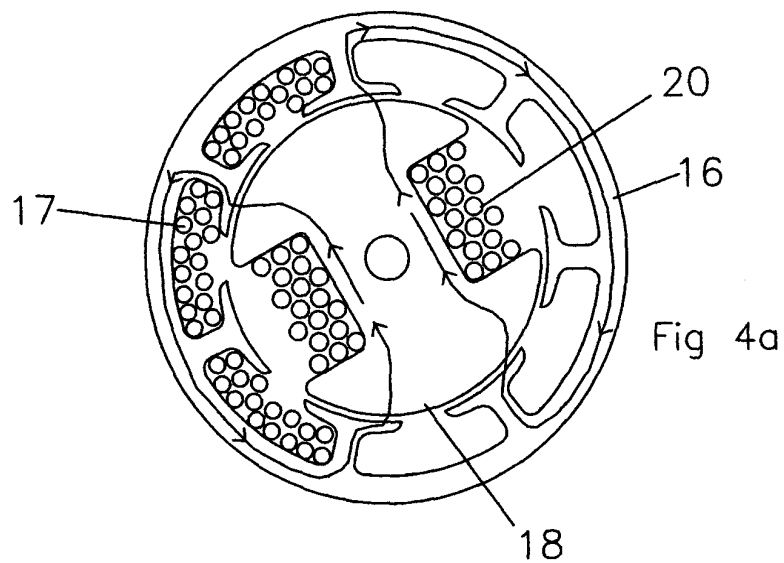
Fig 7

Stationary Armature Machine

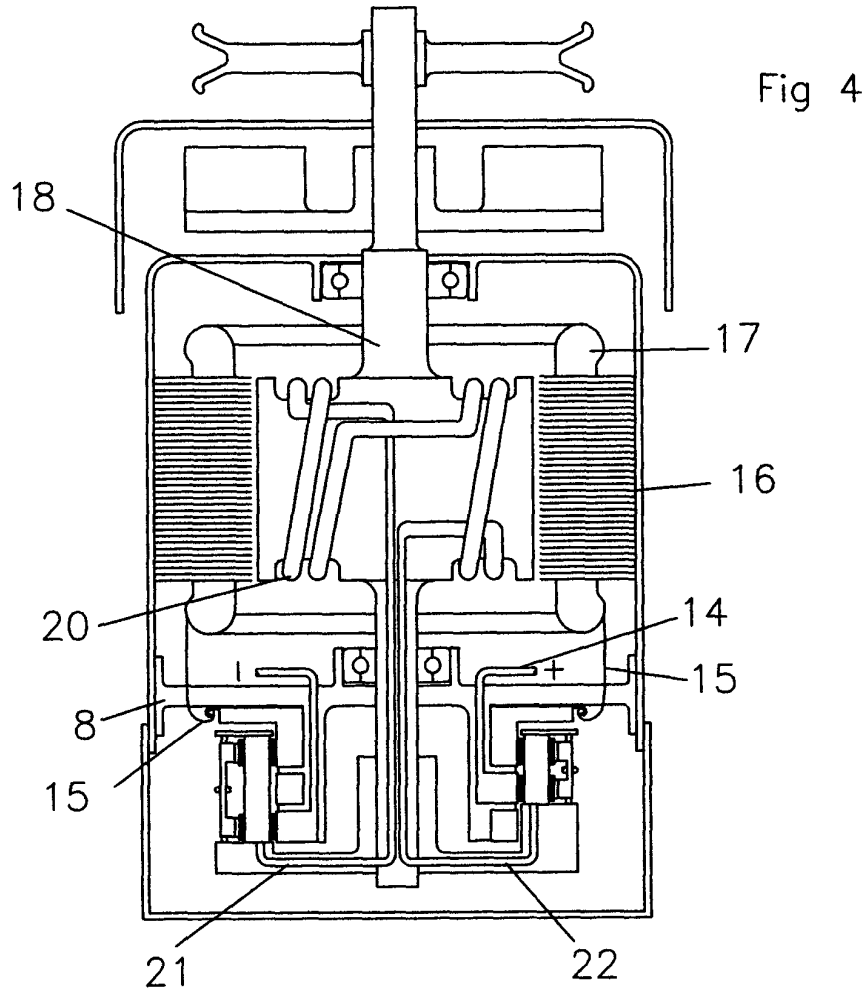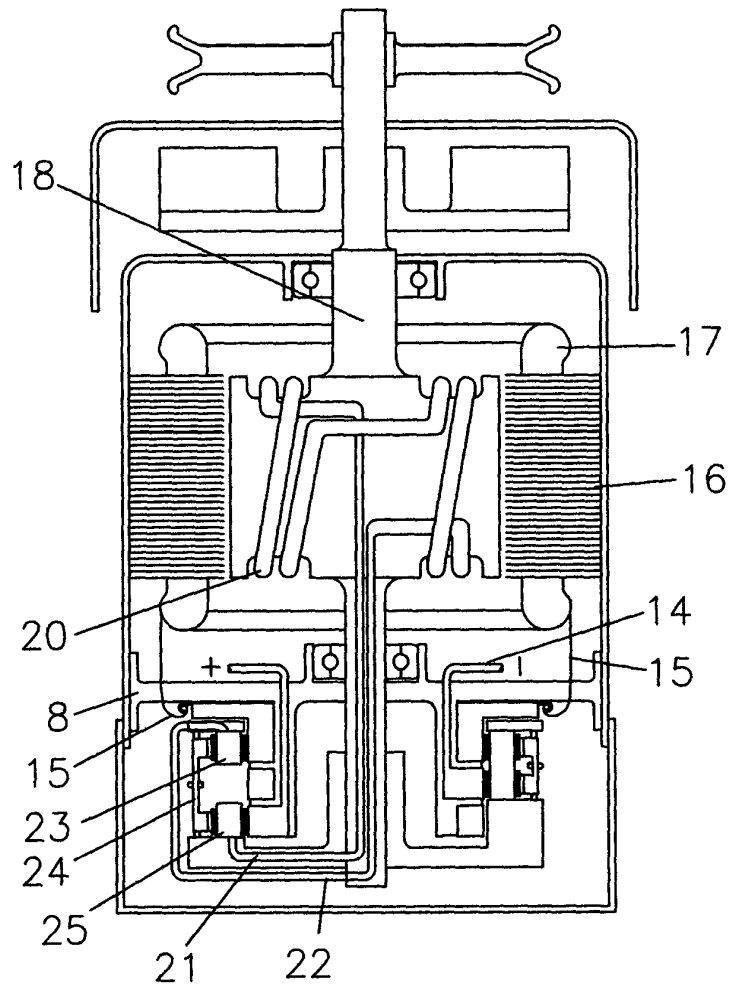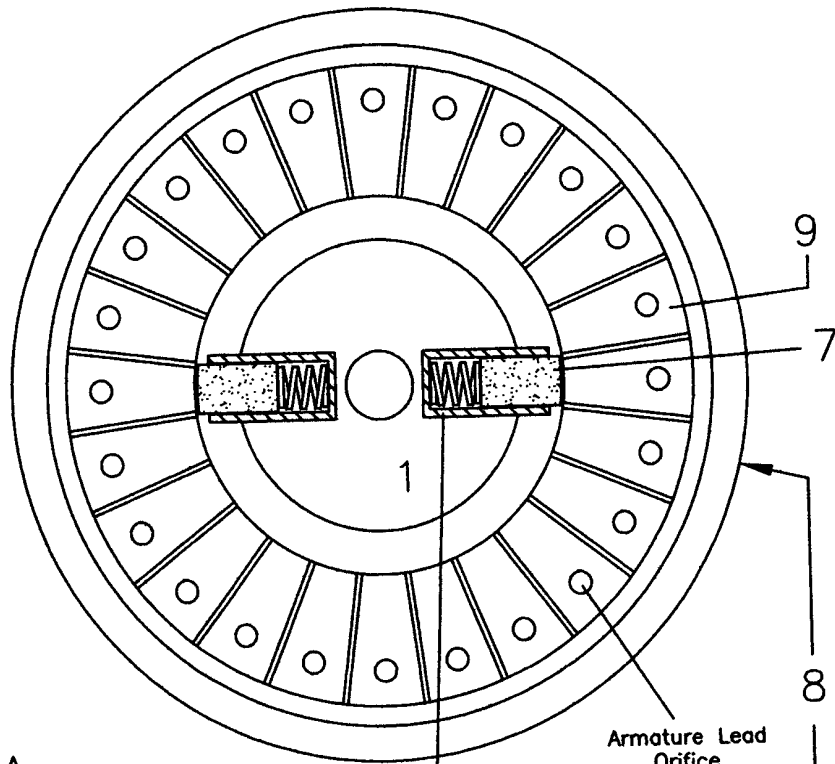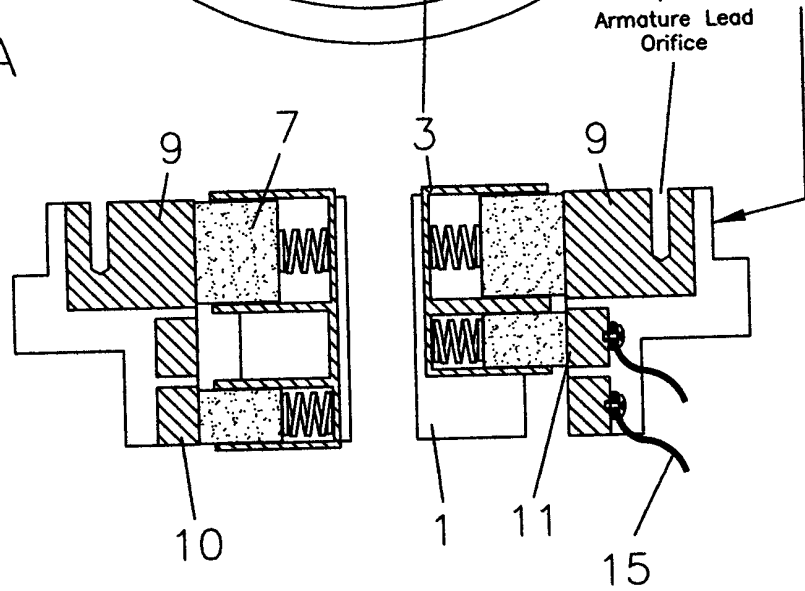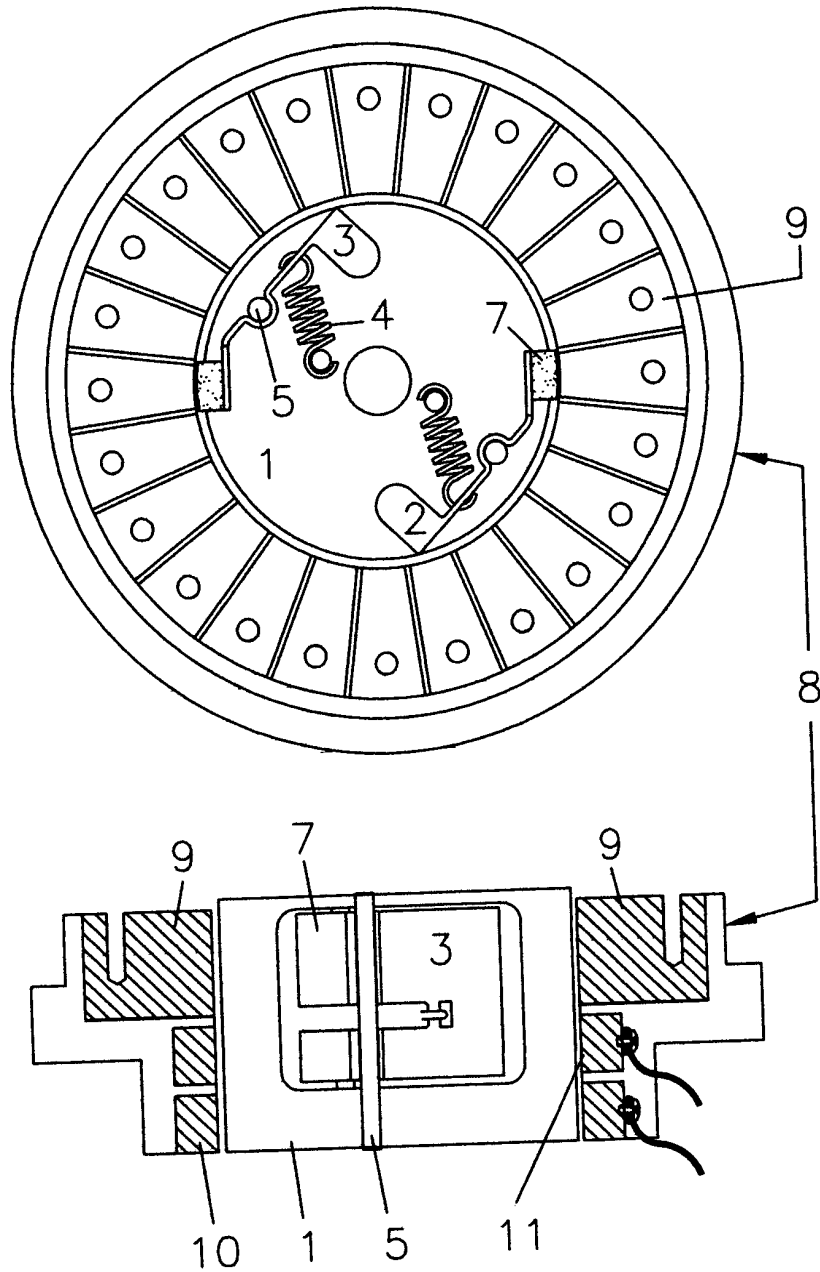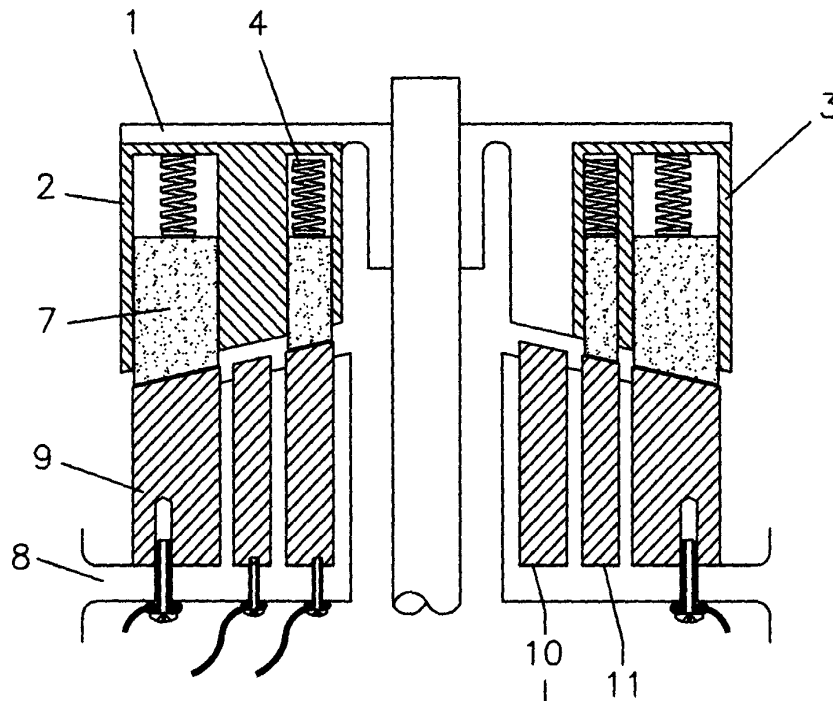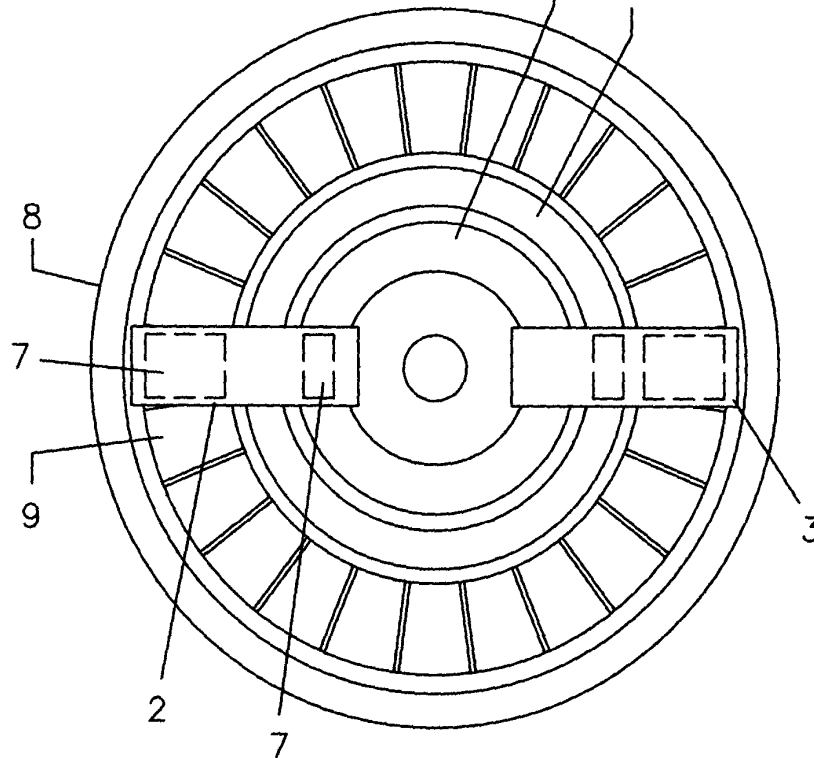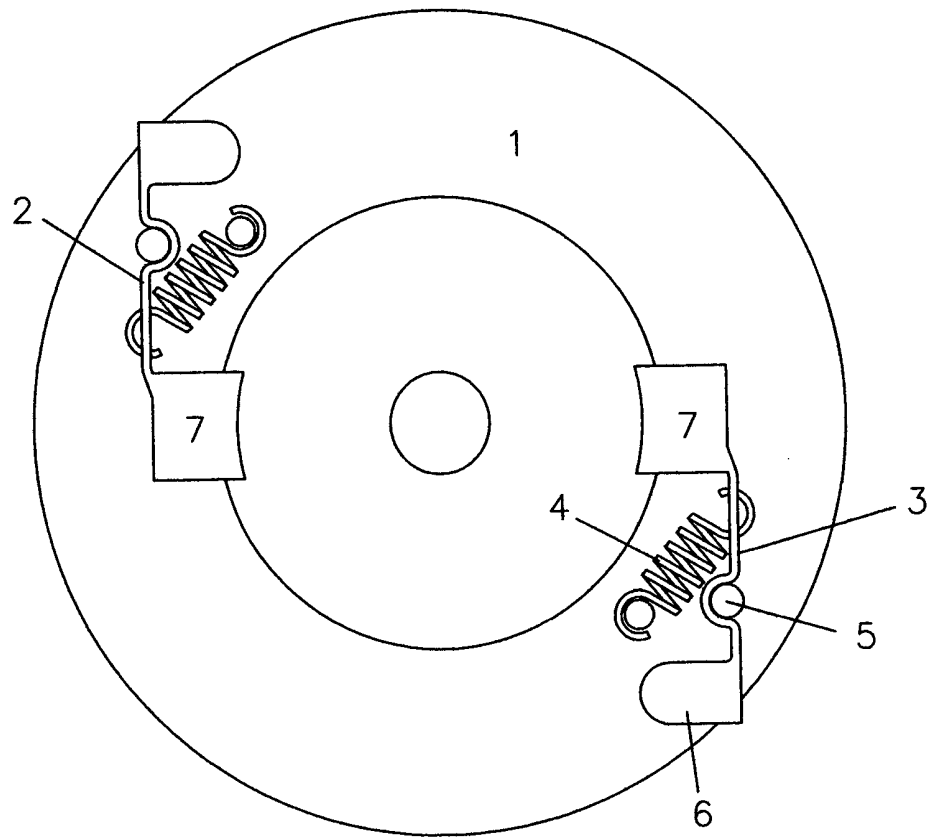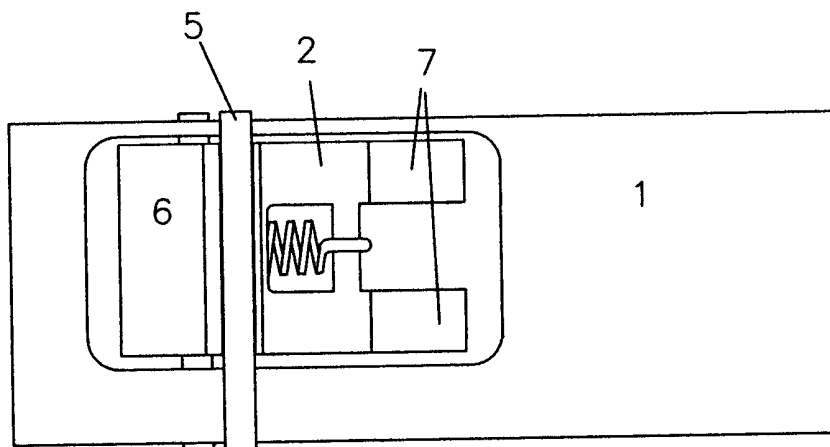Fig 8A

Fig 8

Stationary Armature Machine

Fig 9

Fig 9A

Stationary Armature Machine

Fig 10
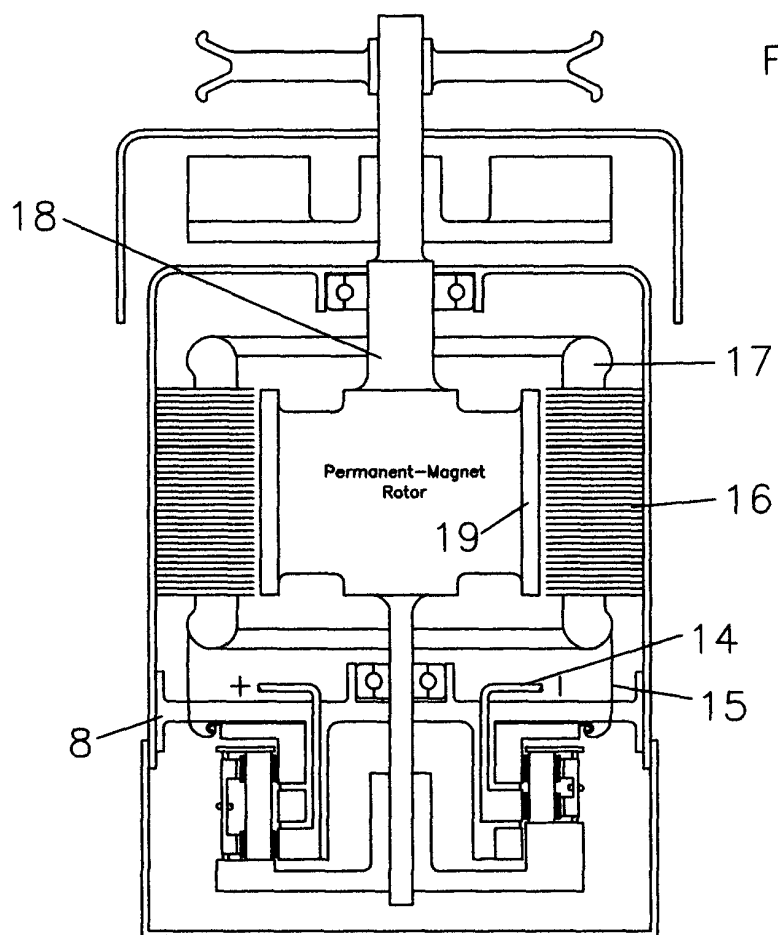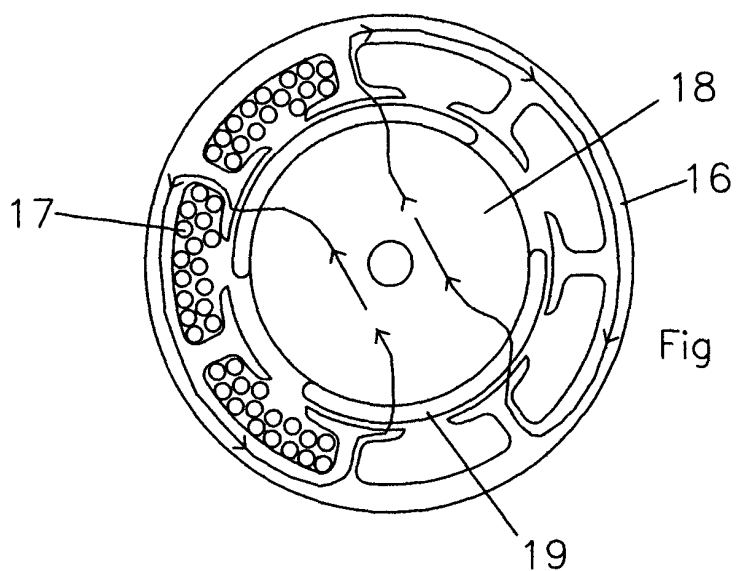
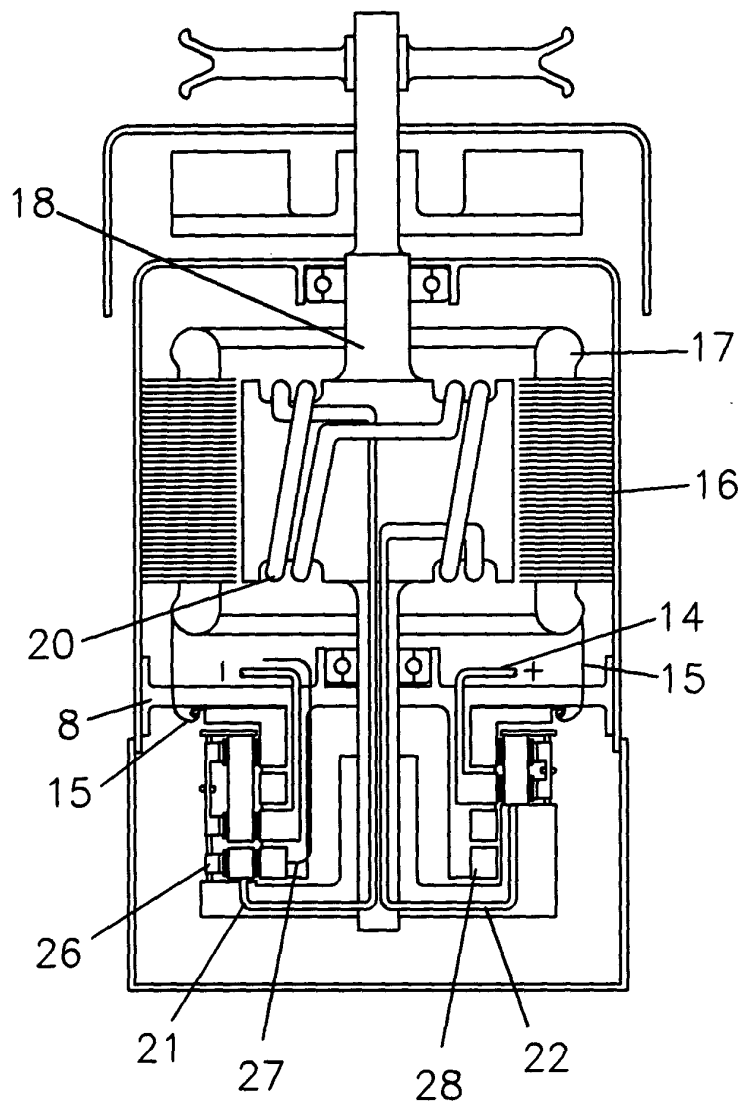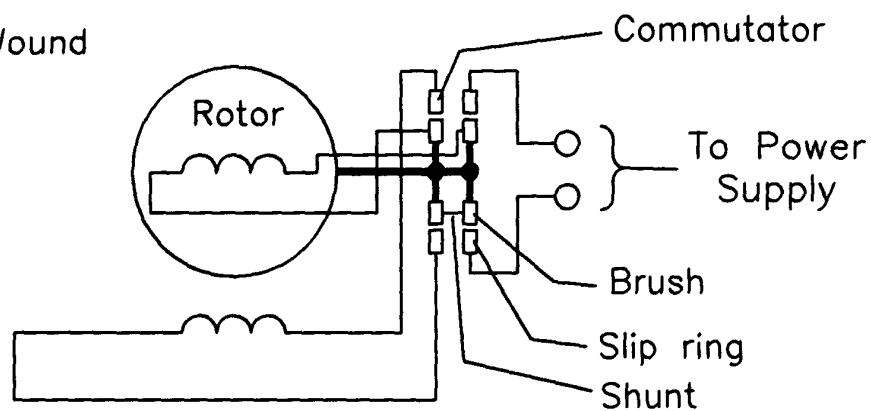Permanent—Magnet
Rotor

18

17

16

19

14

15

8

Fig 10A

17

18

16

19

Stationary Armature Machine

Fig 11

18

17

16

20

14

8

15

15

26

21

27

28

22

Fig 12

Series Wound

Commutator

Rotor

To Power
Supply

Brush

Slip ring

Shunt

Douglas Richard
Customer No. 38019

Stationary Armature Machine

Fig 13

Shunt Wound

Rotor

To Power Supply

Shunt

Fig 14

Permanent Magnet

Commutator

N

Rotor

S

Brush

Slip ring

Commutator

Stationary Armature

Fig 15

Separately Excited

Commutator

Rotor

To Exciter/ Regulator

To Power Supply

Brush

Slip ring